U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	for form	1449A/PTO	١

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number Unassigned

Filing Date January 16, 2002

First Named Inventor William J. Roberts

Group Art Unit Unassigned

Examiner Name Unassigned

Attorney Docket Number 1400-003

(use as many sheets as necessary)
Sheet 1 of 2

U.S. PATENT DOCUMENTS Name of Patentee or Applicant of Document Number Publication Date Pages, Columns, Lines, Where Relevant-Examiner Initials * Cited Document MM-DD-YYYY Passages or Relevant No. Number - Kind Code² (if known) Figures Appear US-2,843,608 07-15-1958 Colton US- 4,087,524 05-02-1978 Grunwell et al. US- 4,239,681 12-16-1980 Grunwell et al. US- 5,387,583 02-07-1995 Loria US- 5,391,776 02-21-1995 Ueno et al. US- 5,578,588 11-26-1996 Mattern et al. 03-09-1999 US- 5,880,117 Amold US- 6,011,027 01-04-2000 Amold BB US- 6,017,964 01-25-2000 MacLean et al. US-US-US-US-US-US-US-US-US-US-US-

	FOREIGN PATENT DOCUMENTS							
Europinea G	0.4-	Foreign Patent Document	D. Hisaria	Name of Patentee or	Pages, Columns, Lines,			
Examiner Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶		
			:					
				,				
— —								

Examiner Signature	Badio	Date Considered	3	13	703	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.qov or MPEP 901.04.
³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.







Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO				Complete if Known			
INITO		DIC	OL OCUPE	Application Number	Unassigned		
			CLOSURE	Filing Date	January 16, 2002		
STAT	LEMENT B	Y A	PPLICANT	First Named Inventor	William J. Roberts		
				Group Art Unit	Unassigned		
	(use as many she	eets as	necessary)	Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	1400-003		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
7373		BLAQUIER et al., "In Vitro Metabolism of Androgens in Whole Human Blood", Acta Endocrinologica, May-August 1967, 697-704, Vol. 55, Periodica, Copenhagen.	
		EARNEST et al., "In Vivo 4-androstene-3,17-dione and 4-androstene-3ß,17ß-diol Supplementation in Young Men", European Journal of Applied Physiology, February 2000, 229-232, Vol. 81, No. 3, Springer, New York.	
		FRANKE et al., "Hormonal Doping and Androgenization of Athletes: A Secret Program of the German Democratic Republic Government", Clinical Chemistry, Nov. 7, 1997, 1262-1279, Vol. 43, No. 7, American Association for Clinical Chemistry, United States of America.	
		INABA et al., "Conversion of 4-Androstenediol and 5-Androstenediol to Testosterone, and Conversion of Dehydroepiandrosterone to 4-Androstenediol by Rat Testis In Vitro", Endocrinol. June 1966, 160-172, Vol. 13, No. 2, Japan.	
		URALETS et al., "Over-the-Counter Anabolic Steroids 4-Androsten-3, 17-dione; 4-Androsten-38,17ß-diol; and 19- nor-4-Androsten-3, 17-dione: Excretion Studies in Men", Journal of Analytical Toxicology, September 1999, 357- 366, Vol. 23, : Preston Publications, Niles, Illinois.	
BB		YAMAJI et al., "Androstenediol in Canine Spermatic Vein Blood and Its Significance in Testosterone Biosynthesis in Vivo", Endocrinology, 1968, 992-998, Vol. 83, J. B. Lippincott, Philadelphia.	
		·	

Examiner Signature Padio	Date S15/03	
-----------------------------	-------------	--

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

Complete if Known			
Application Number	10/053,345		
Filing Date	January 16, 2002		
First Named Inventor	William Roberts	_	
Group Art Unit	1616		
Examiner Name	Badio, Barbara P.		
Attorney Docket Number	1400-003		

		- Document Number		Name of Patentee or Applicant of	
Examiner Initials *	miner Cite Publication Date Cit	Cited Document	Pages, Columns, Lines, Where Releval Passages of Relevant Figures Appear		
575		US- 3,056,727	10-02-1962	Allais et al.	
Ī		US- 3,314,856	04-18-1967	Allais et al.	> 4 CA
T		US- 3,433,813	03-18-1969	Boswell	(C) ~
		US- 3,435,030	03-25-1969	Klimstra	70. 02 6
		US- 3,481,957	12-02-1969	Cross et al.	SAL 3
		US- 3,523,126	08-04-1970	Boswell	182 000
		US- 5,053,403	10-01-1991	Orentreich et al.	17/2
		US- 6,117,429	09-12-2000	Bucci	On
		US- 2001/0041698 A1	11-15-2001	Arnold	20,
		US- 2001/0056087 A1	12-27-2001	Arnold	300
1313		US- 2002/0183532 A1	12-05-2002	Roberts	
	1	US-			
		US-			
		US-			
		US-			
V-014	1	US-			
		US-			
•		US-			
		US-			
	1	US-			

		FOREIGN PA	TENT DOCU	MENTS			
		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,		
Examiner Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	_ Т ⁶	
BB		BE 636216	08-14-63	Roussel			
1-1-							

Examiner Signature	Podio	Date Considered	4/29/03	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)

Apply of for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Papervork Reduction Act of 1995; to persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/FTO

INFORMATION DISC STATEMENT BY

(use as many sheets as necessary)

Sheet of

Complete if Known				
Application Number	10/053,345			
Filing Date	January 16, 2002			
First Named Inventor	William Roberts	- (
Group Art Unit	1616			
Examiner Name	Badio, Barbara P.			
Attorney Docket Number	1400-003			

			U.S. PATENT D	OCUMENTS	
Examiner Initials *	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
12/5	140.	Number - Kind Code ² (if known) US-5,622,944	04-22-1997	Hale et al.	Figures Appear
17-	 	US-			2
		US-			
		US-			0 %
		US-			07
	1	US-			77. 2
		US-			
	l	US-			9 63
		US-			62
		US-			0
		US-			TO_
		US-			
		US-			
	<u> </u>	US-			
	<u> </u>	US-			
	<u> </u>	US-			
		US-			
		US-			· · · · · · · · · · · · · · · · · · ·
		US-			
	į	US-		<u></u>	

FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	۳⁴			
		Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Date MM-DD-YYYY	Applicant of Cited Document					
					-				
_									
				.,					

Examiner Signature	Badio	Date Considered	4	129	103	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw fine through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST, 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.